

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. - 3. Canceled

4. (Currently Amended) An apparatus for converting video bitstream data coded using a first hybrid video codec to second bitstream data coded using a second hybrid video codec, the apparatus comprising[[:]]:

a. a video bitstream decoder disposed in a data path ahead of a data terminal and operative to decode the video bitstream data; and

b. ~~means an encoder~~ coupled to ~~said~~ the video bitstream decoder for re-encoding ~~frames as I-frames~~ a plurality of macroblocks, wherein each of the plurality of macroblocks is re-encoded as an intra coded macroblock upon receipt of a video-fast-update request.

5. (Canceled)

6. (Currently Amended) The apparatus of claim 4 wherein ~~standards~~ a first standard for the ~~video bitstream match~~ the first hybrid video codec is the same as a second standard for the second bitstream hybrid video codec.

7. (Currently Amended) The apparatus of claim 4 wherein the video bitstream decoder is a ~~tandem transcoder~~ operative to fully decode ~~each~~ a frame before encoding ~~each~~ an output frame.

8. (Currently Amended) The apparatus of claim 4 wherein the video bitstream ~~decoder~~ encoder only re-encodes selected macroblocks.

9. (Original) The apparatus of claim 4 wherein the video bitstream decoder is operative to manipulate data in the Discrete Cosine Transform domain.

10. (Canceled)

11. (Currently Amended) A method for converting video bitstream data coded using a first hybrid video codec to second bitstream data coded using a second hybrid video codec, the method comprising[[:]]:

a. decoding the video bitstream data in a video bitstream decoder disposed in a data path ahead of a data terminal ~~ahead of a terminal~~; and

b. re-encoding ~~frames as I frames~~ a plurality of macroblocks in a video bitstream encoder, wherein each of the plurality of macroblocks is re-encoded as an intra coded macroblock upon receipt of a video-fast-update request.

12. (Canceled)

13. (Currently Amended) The method of claim 11 wherein ~~standards~~ a first standard for the first hybrid video bitstream-match codec is the same as a second standard for the second ~~bitstream~~ hybrid video codec.

14. (Currently Amended) The method of claim 11 wherein the video bitstream decoder is ~~a tandem transcoder~~ operative to fully decode ~~each~~ a frame before encoding ~~each an output~~ frame.

15. (Currently Amended) The method of claim 11 wherein the video bitstream decoder encoder only re-encodes selected macroblocks.

16. (Original) The method of claim 11 wherein the video bitstream decoder is operative to manipulate data in the Discrete Cosine Transform domain.

17. (New) The method of claim 13 wherein a portion of the video bitstream data is copied to the second bitstream data, prior to receipt of the video-fast-update request.

18. (New) The apparatus of claim 4 wherein the video-fast-update request is received from the data terminal.

19. (New) The apparatus of claim 18 wherein the data terminal is a 3G-324M terminal.

20. (New) The apparatus of claim 18 wherein the data terminal is in at least one of a packet-switched network or a circuit-switched network.

21. (New) The apparatus of claim 4 further comprising:
a media independent error detector coupled to the video bitstream decoder, wherein at least one of the media independent error detector and the video bitstream decoder is operative to detect errors in the video bitstream; and
a fast update request unit operative to send a second video-fast-update request to a source of the video bitstream data when at least one of the bitstream syntax decoder or the video bitstream decoder detects one or more errors in the video bitstream data.

22. (New) The apparatus of claim 4 wherein a server is disposed in the data path ahead of the video bitstream decoder, the server being operative to transmit a portion of the video bitstream data from a pre-encoded video bitstream data.

23. (New) The apparatus of claim 22 wherein the server is adapted to store the pre-encoded video bitstream data at the server.

24. (New) The apparatus of claim 4 wherein the data terminal is adapted to transmit the video-fast-update request in response to bit errors detected at the data terminal.

25. (New) The apparatus of claim 4 wherein the first hybrid video codec is selected from the group consisting of H.261, H.263, H.264, and MPEG-4-video.

26. (New) The apparatus of claim 4 wherein the second hybrid video codec is selected from the group consisting of H.261, H.263, H.264, and MPEG-4-video.

27. (New) The apparatus of claim 4 wherein the video-fast-update request is a signal received from a control module in a gateway.

28. (New) The apparatus of claim 6 wherein a portion of the video bitstream data is copied to the second bitstream data, prior to receipt of the video-fast-update request.

29. (New) The method of claim 11 wherein the video-fast-update request is received from the data terminal.

30. (New) The method of claim 29 wherein the data terminal is a 3G-324M terminal.

31. (New) The method of claim 29 wherein the video-fast-update request is in response to bit errors detected at the data terminal.

32. (New) The method of claim 29 wherein the data terminal is in at least one of a packet-switched network or a circuit-switched network.

33. (New) The method of claim 11 wherein a portion of the video bitstream data is pre-encoded to provide a pre-encoded video bitstream data.

34. (New) The method of claim 33 wherein the pre-encoded video bitstream data is stored on a server.

35. (New) The method of claim 11 wherein the each of the plurality of re-encoded macroblocks forms a portion of an inter coded frame or an intra coded frame.

36. (New) The method of claim 11 wherein the each of the plurality of re-encoded macroblocks forms an entirety of an intra coded frame.

37. (New) The method of claim 11 further comprising:
re-encoding a further plurality of macroblocks, wherein each of the further plurality of macroblocks is re-encoded as an inter coded macroblock in a frame following a frame containing the plurality of macroblocks.

38. (New) The method of claim 11 wherein the first hybrid video codec is selected from the group consisting of H.261, H.263, H.264 and MPEG-4-video.

39. (New) The method of claim 38 wherein the second hybrid video codec is selected from the group consisting of H.261, H.263, H.264 and MPEG-4-video.

40. (New) The method of claim 11 further comprising:
detecting one or more errors in the video bitstream at at least one of a media independent error detector or the video bitstream decoder; and
sending a second video-fast-update message to a source of the video bitstream data after detecting the one or more errors.

41. (New) The method of claim 11 wherein the encoder performs a portion of the re-encoding by reusing information obtained from the video bitstream data.

42. (New) The method of claim 41 wherein the information obtained from the video bitstream data comprises at least one of one or more motion vectors or one or more macroblock encoding types.

43. (New) The method of claim 37 wherein one or more of the further plurality of macroblocks is coded with differences from one or more of the plurality of macroblocks.

44. (New) The method of claim 37 further comprising:
re-encoding a second further plurality of macroblocks, wherein each of the second further plurality of macroblocks is re-encoded as an inter coded macroblock in a further frame following the frame containing the further plurality of macroblocks.

45. (New) The method of claim 44 wherein:
one or more of the further plurality of macroblocks is coded with differences from one or more of the plurality of macroblocks; and
one or more of the second further plurality of macroblocks is coded with differences from one or more of the further plurality of macroblocks.

46. (New) The method of claim 11 wherein the video-fast-update request is signal received from a control module in a gateway.